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9 Technical rept,

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(SDCS)

**SPECIAL DATA COLLECTION SYSTEM EVENT REPORT**  
**UZBEK SSR, 17 May 1976.**

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Alexandria Laboratories

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Monitored By

VELA Seismological Center

312 Montgomery Street, Alexandria, Virginia 22314

16 VT/4703

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NTS Event "UZBEK SSR", 17 May 1976

	"p" Arrival	Origin Time	Lat.	Long.	$m_b$	$M_s$
NORSAR	03:05:57.2	02:58:35	39 N	064 E	6.5	N/A
Hagfors	03:05:45.0	02:59:00	44 N	064 E	6.8	N/A

02:58:42.5 40.7 N 063.4 E 6.3 6.6

All SDCS stations were operational during this period.

Long-period signals were recorded at all SDCS stations. All LP channels at HN-ME had polarity reversals; to correct this, mathematical inversions of the data were performed. CPSO and FN-WV recorded clipped long-period signal arrivals and are not included in this report.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response).

APPROVAL	DATE			
WTS	0.2	UNANNOUNCED NOTIFICATION	WTR SELLER BUL S. 8730	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		BY _____	DISTRIBUTION/AVAILABILITY CODES	
		DIR.	AVAIL 200 & SPECIAL	
		<b>A</b>		

# STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES		ELEVATION METERS	INSTRUMENTATION	
		DEG	MN SECS		SHORT-PERIOD	LONG-PERIOD
ALPA	Alaska	65 14	00.0 N 147 44 36.0 W	626	None	31300
CPSO	McMinnville, Tennessee	35 35	41.4 N 085 34 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38 32	58.0 N 079 30 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41	19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09	43.0 N 067 59 09.0 W	213	KS36000	KS36000
NORSAR	Kjeller, Norway	60 49	25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50	20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 41	41.0 N 134 58 02.0 W	853	18300	SL210 V SL220 H

# HYPOCENTER DETERMINATION

INPUT FOR EVENT 17 MAY 76  
02:58:00.0 39.000N 65.000E 0KM.

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CALC	REST	REST	REST
NAO	03 05 57.2	0.0	-0.0	37.5	320.3
WH2YK	03 10 40.3	-0.3	-0.3	77.8	9.1
HN-ME	03 11 10.5	0.6	0.7	83.2	328.3
RK-ON	03 11 26.2	-0.6	-0.5	86.6	345.7
LAO	03 11 55.9	1.3	1.4	92.5	352.9
FN-WV	03 12 02.7	0.1	0.4	94.1	331.7
CPSO	03 12 22.3	-1.1	-1.7	98.9	334.8

## 67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
NO CONVERGENCE ON CALC RUN						
02:58:50.8	41.069N	63.351E	44. CALC	0.8	16	7
02:58:42.5	40.726N	63.388E	0. REST	1.0	3	7

CALC				REST			
4	.	1		4	.	1	
2	.	0		2	.	0	
0	0.	0	0	0	0.	0	0
.	.	.	.	.	.	.	.
0	0.	0	0	0	0.	0	0
0	.	0		0	.	0	
0	.			0	.	0	

CHI2 COVERAGE ELLIPSE; 95 PER CENT CONF..LEVEL, SDV= 0.92  
MAJOR 127.1KM. MINOR 51.5KM. AZ= 11 AREA= 20575 SQ.KM. REST

# DATA SUMMARY

INPUT FOR EVENT 17 MAY 76  
 02:58:00.0 39.000N 65.000E 0KM.

STA.	PHASE	ARRIVAL		INST	PER	A/T	MAGNITUDE		DIR	DIST
		TIME					MB	MS		
NAO	EP	03 05 57.2		AB	1.0	1717.	6.43			37.5
WH2YK	EP	03 10 40.3		SPZ	0.7	334.	6.12			77.8
WH2YK	LR	03 50 47.0		LPZ	20.0	1025.		6.02		77.8
HN-ME	EP	03 11 10.5		SPZ	1.0	1215.	6.78			83.2
HN-ME	LR	03 48 20.0		LPZ	19.0	7069.		6.89		83.2
RK-ON	EP	03 11 26.2		SPZ	0.8	785.	6.56			86.6
RK-ON	LR	03 53 24.0		LPZ	22.0	6238.		6.85		86.6
LAO	EP	03 11 55.9		SAB	99.9	9999.				
FN-WV	EP	03 12 02.7		SPZ	1.4	117.	5.88			94.1
CPSO	EP	03 12 22.3		SPZ	0.7	53.	5.92			98.9

ORIGIN	LAT.	LONG.	DEPTH (KM)	MAG	SDV	STA	LPMAG	LPSDV	LPSTA
02:58:42.5	40.726N	63.388E	0. REST	6.28	0.37	6	6.59	0.5	3

WH2YK 17 MAY 76

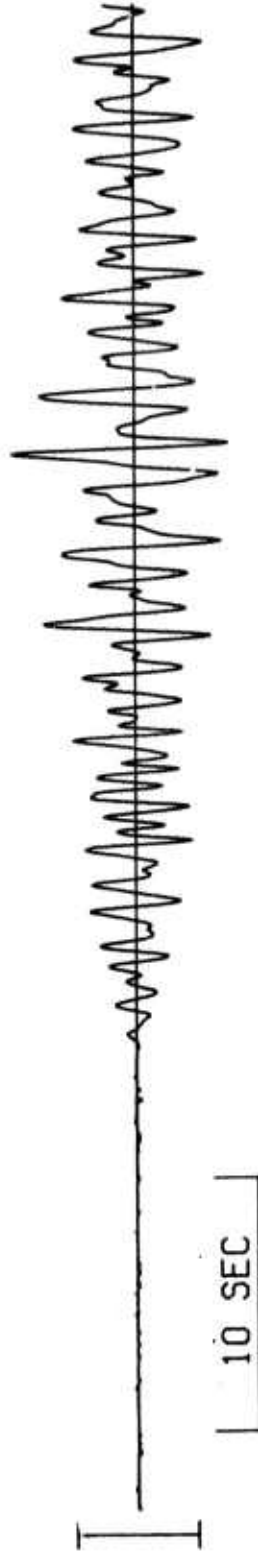
03:10:40.3



SPZ  
311.00 MU



SPR  
126.00 MU



SPT  
151.00 MU

10 SEC



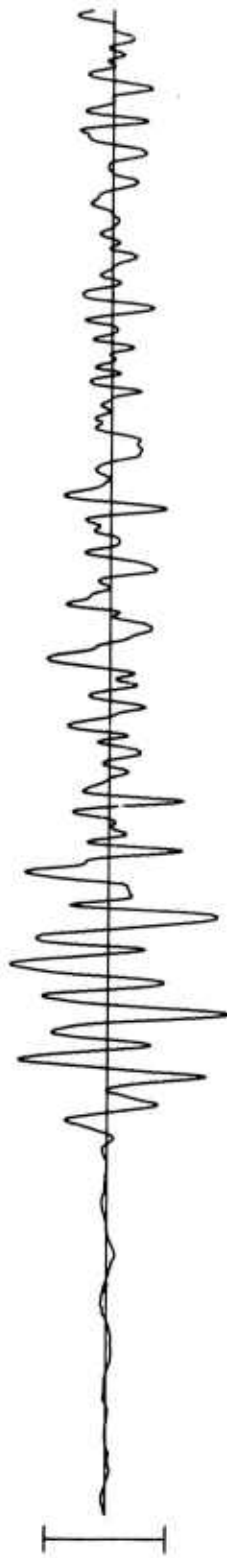
HN-ME 17 MAY 76

SPZ  
701.00 MU

03:11:10.5

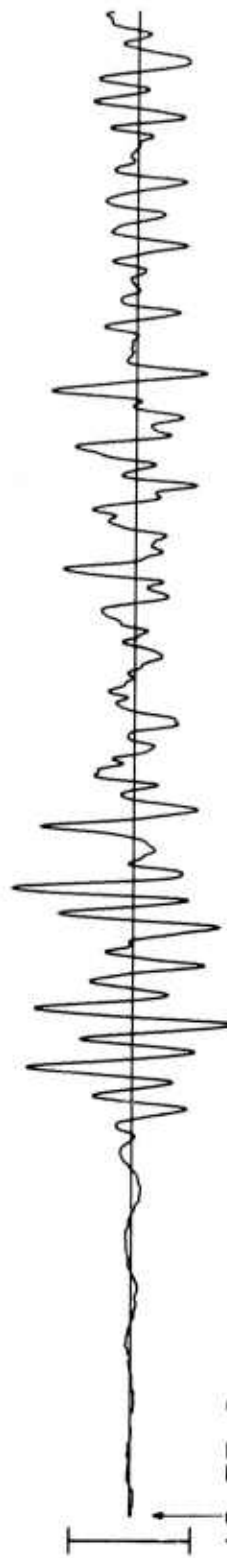


SPR  
268.00 MU



SPT  
220.00 MU

03:10:57.0

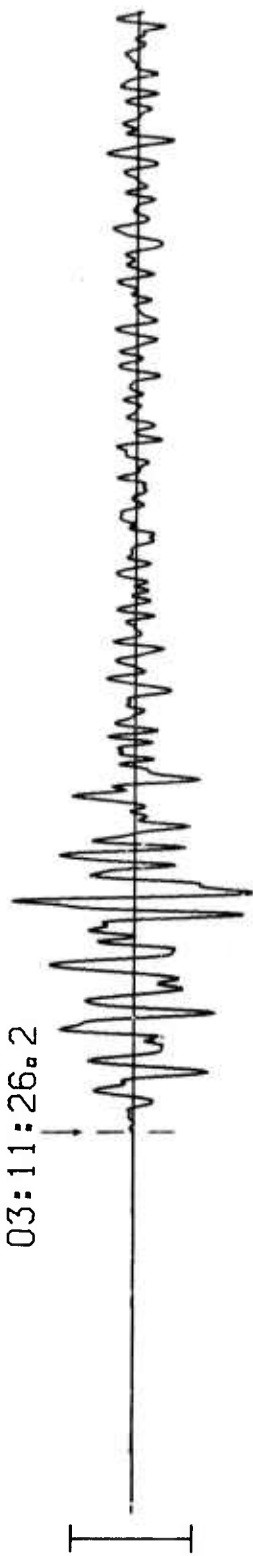


10 SEC

RK-QN 17 MAY 76

03:11:26.2

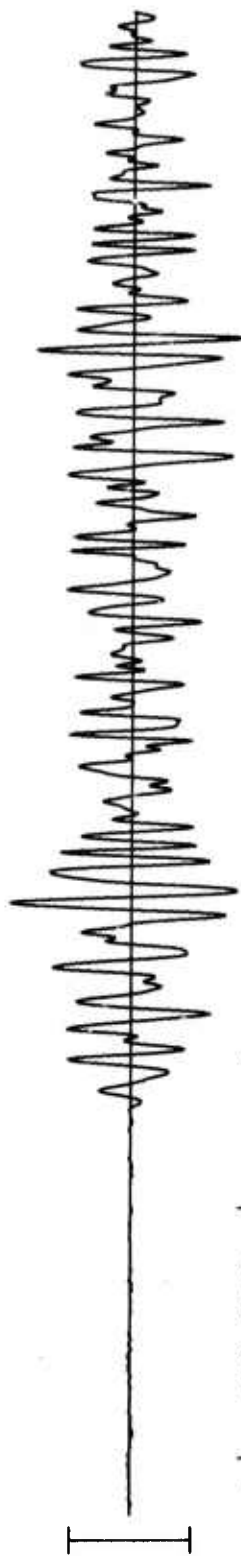
SPZ  
526.00 MU



SPR  
190.00 MU



SP↑  
129.00 MU

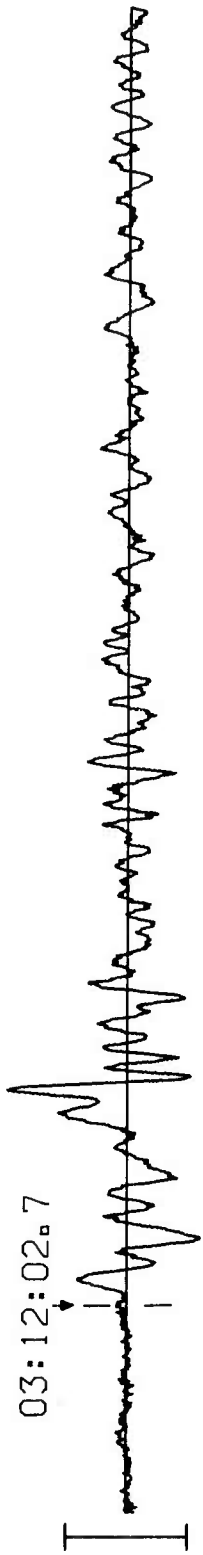


10 SEC

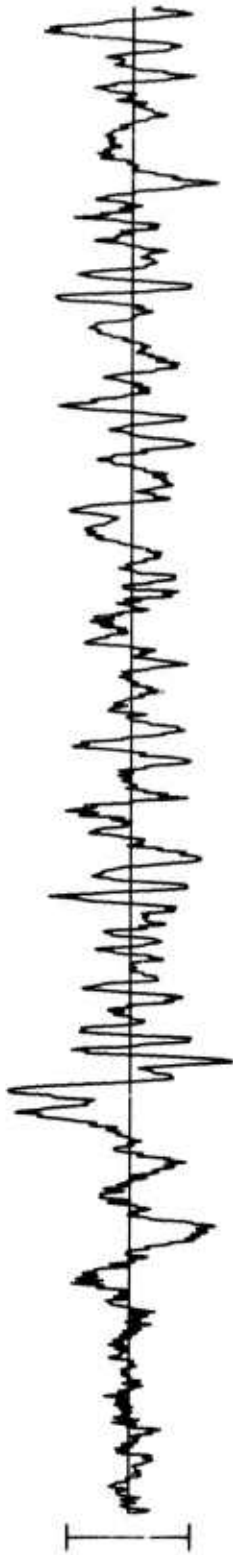
FN-WV 17 MAY 76

03:12:02.7

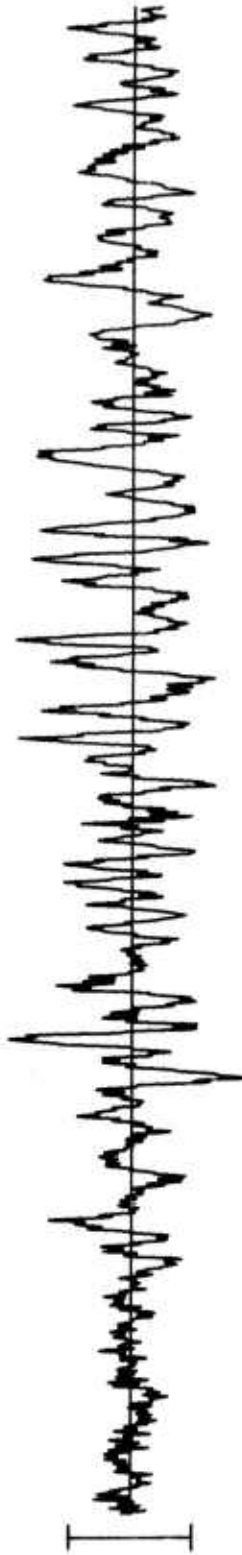
SPZ  
99.65 MU



SPR  
25.89 MU



SPT  
24.29 MU



TIME

10 SEC

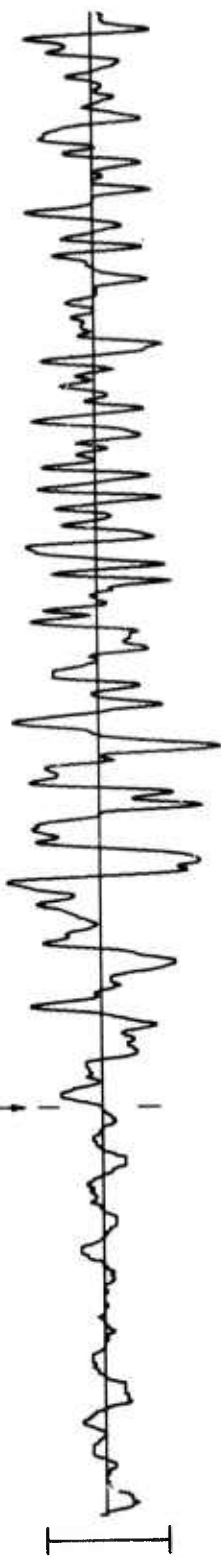
03:12:20



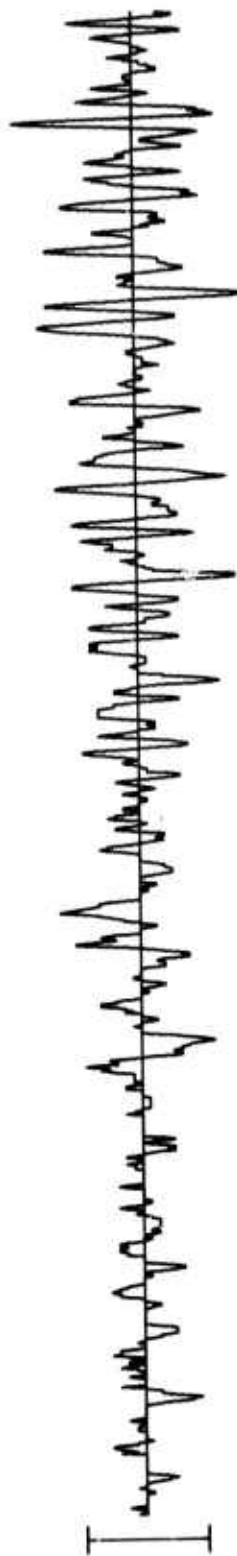
CPSO 17 MAY 76

03:12:22.3

SPZ  
38.00 MU



SPR  
15.00 MU



SPT  
10.00 MU



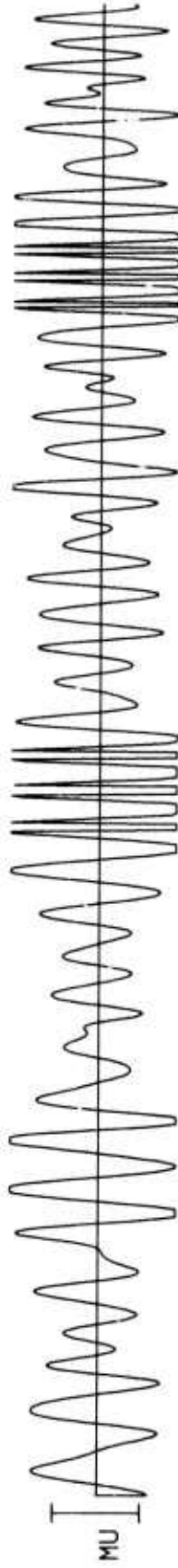
WH2YK 17 MAY 76

03:50:47

LPZL  
52270.01



LPR  
21707.00



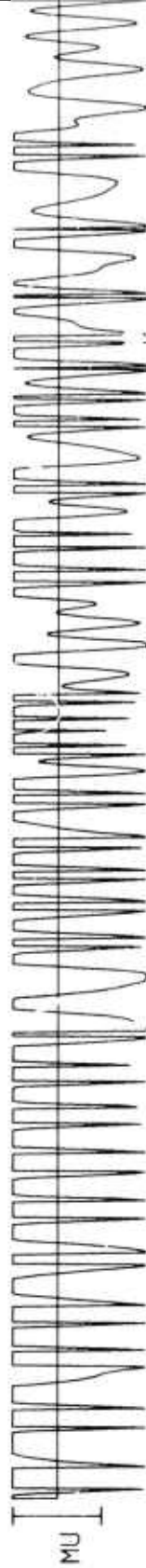
LPT  
21817.00



2 MIN

HN-ME 17 MAY 76

03:48:20



03:40:00

2 MIN

RK-ON 17 MAY 76

03:53:24

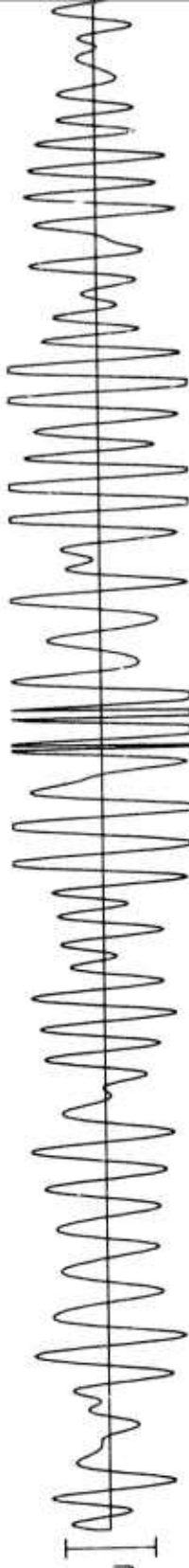
LPZL  
71861.01

MU



LPRH  
32084.00

MU



LPTH  
31697.00

MU



2 MIN